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FACSIMILE TRANSMITTAL SHEET

TO:	Examiner Timothy Howard Meeks Group Art Unit 1762	FROM:	Kenneth C. Brooks Reg. No. 38,393
COMPANY:	United States Patent and Trademark Office	DATE:	November 30, 2004
FAX NUMBER:	703-872-9306	TOTAL NO. OF PAGES INCLUDING COVER:	
		10	
RE:	Duplicate Replacement Drawings U.S. Patent Application No. 09/905,718 Filing Date: 05/16/2001 Entitled: METHOD FOR FABRICATING NANOSCALE PATTERNS IN LIGHT CURABLE COMPOSITIONS USING AN ELECTRIC FIELD Our Ref. No.: PA27-02Q12		

DUPLICATE REPLACEMENT DRAWINGS

Dear Examiner:

The Replacement Drawings mailed to the USPTO on October 12, 2004 for the above-identified application are not appearing on PAIR as of this date. Attached are copies of the drawings and transmittal, as well as a copy of the return-receipt postcard postmarked October 15, 2004 by the USPTO. Please process these drawings as timely filed, and in response to the "Notice Regarding Drawings" of October 20, 2004.

Thank you for your attention to this matter.

Very truly yours,

Kenneth C. Brooks

Please see attached:

Copy of Transmittal (1 pg)
 Copy of Replacement Drawings (7 pgs)
 Copy of Return-Receipt Postcard, date-stamped (1 pg)

KCB:kep

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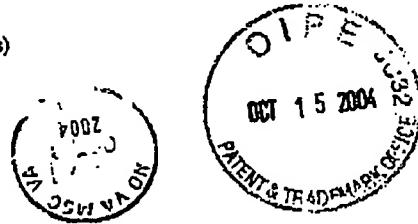
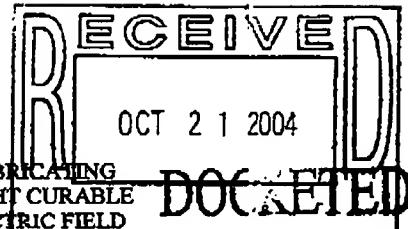
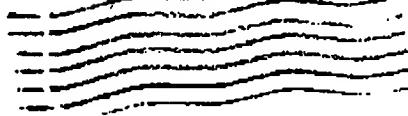
Applicant: Willson et al.

Title: METHOD AND SYSTEM FOR FABRICATING
NANOSCALE PATTERNS IN LIGHT CURABLE
COMPOSITIONS USING AN ELECTRIC FIELD

App. No.: 09/905,718 Filed: 05/16/2001
Atty Dkt No. PA27-02Q12

Replacement Drawings (7 pgs)
 Return Receipt Postcard

Dated: 10/12/04



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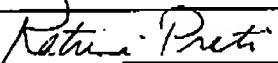
TRANSMITTAL
FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/905,718	
	Filing Date	05/16/2002	
	First Named Inventor	Willson et al.	
	Art Unit	1762	
	Examiner Name	Bernard D. Pianalto	
Total Number of Pages in This Submission	8	Attorney Docket Number	PA27-02Q12

ENCLOSURES (Check all that apply)			
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.62 or 1.53	<input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <div style="border: 1px solid black; padding: 2px; display: inline-block;">Remarks</div>	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 2px; display: inline-block;">Return Receipt Postcard</div>	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Kenneth C. Brooks, Reg. No. 38,393
Signature	
Date	10/11/04

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Katrina Prati		
Signature		Date	10/12/04

This collection of information is required by 37 CFR 1.6. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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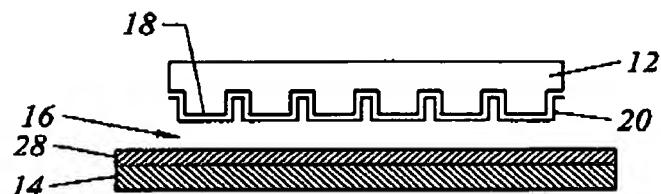


FIG. 1A

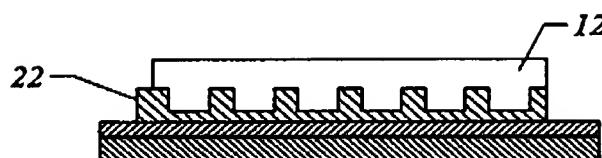


FIG. 1B

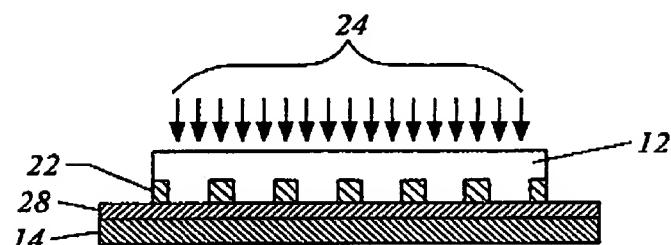


FIG. 1C

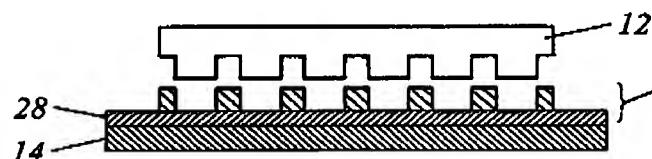


FIG. 1D



FIG. 1E

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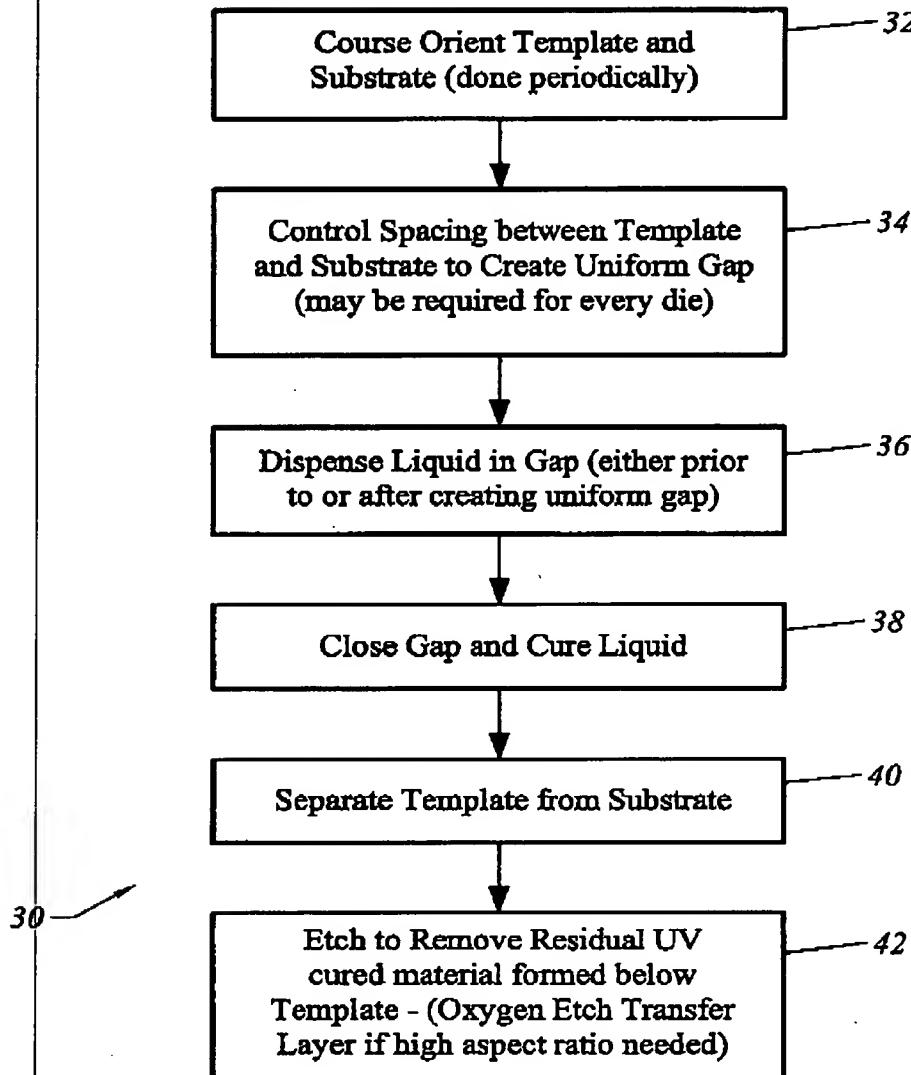


FIG. 2

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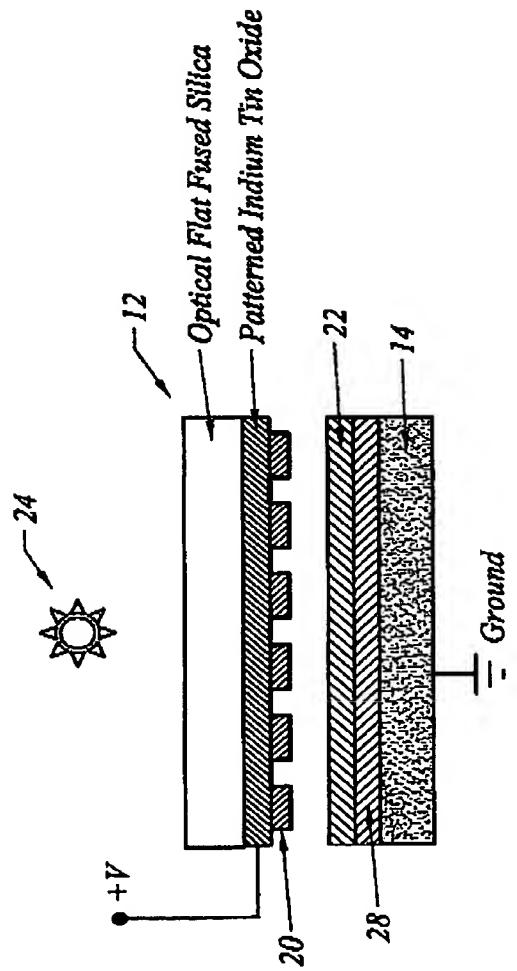
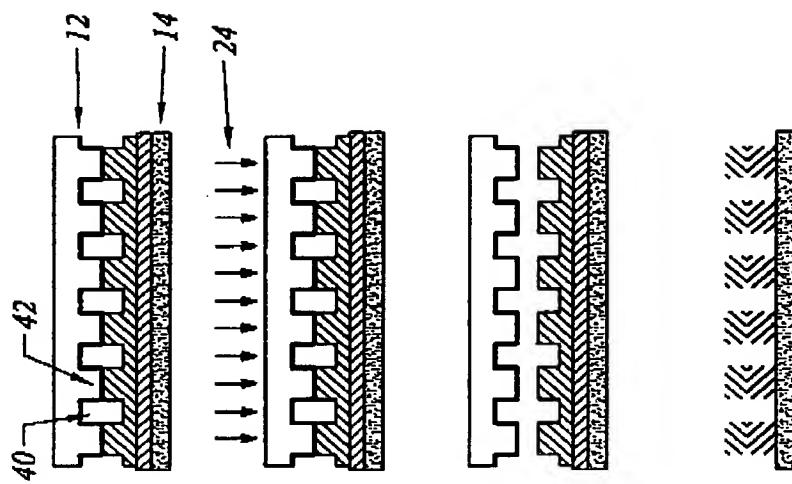


FIG. 3

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- Apply electric field and maintain uniform gap to induce the liquid to adhere to the template
- UV cure the liquid
- Separate the template from the substrate
- Etch to break-through UV cured liquid, followed by RIE etch transfer into transfer layer to obtain high-aspect ratio structure

FIG. 4

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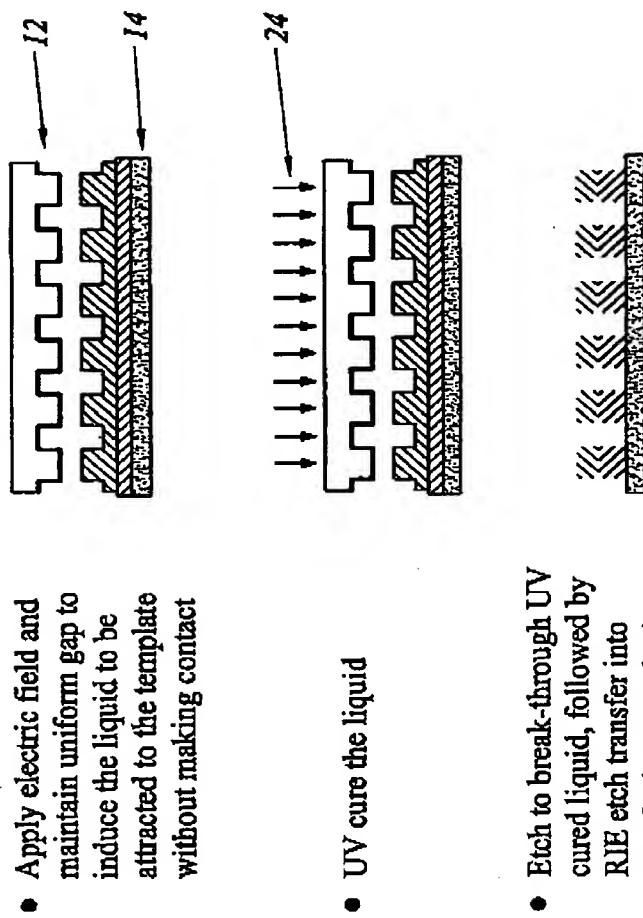


FIG. 5

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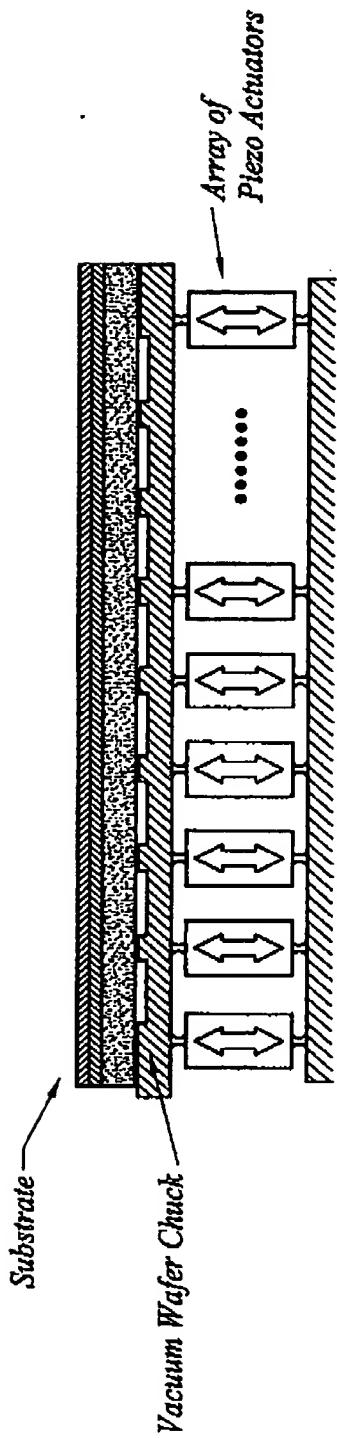


FIG. 6

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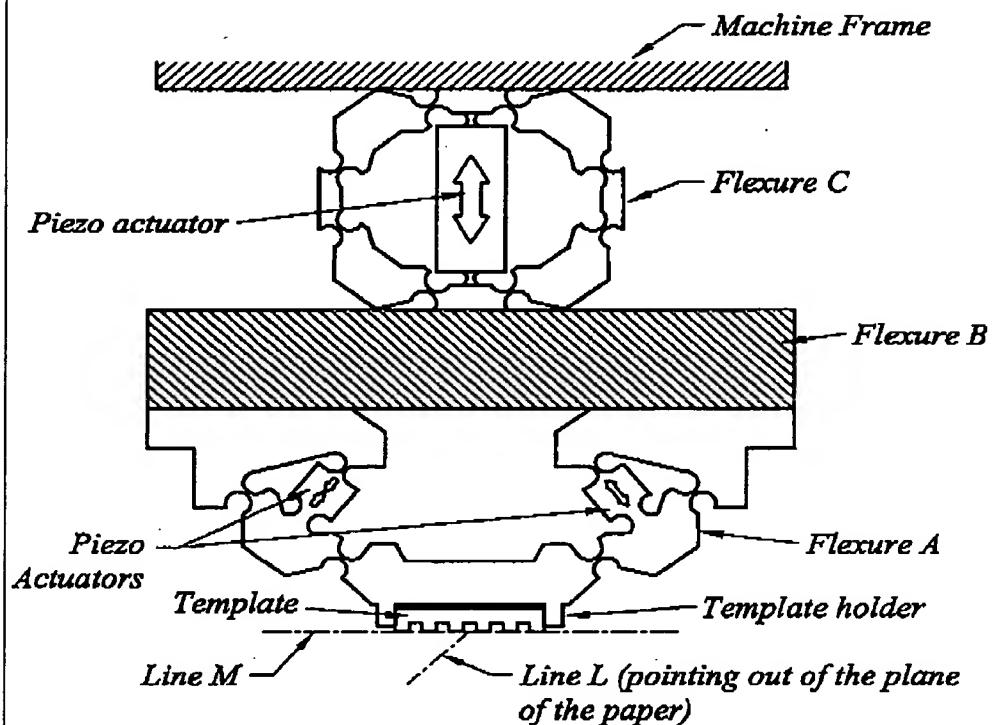


FIG. 7

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